

VERMONT CONSTRUCTION SPECIFICATION

5 – POLLUTION CONTROL

1. Scope

The work consists of installing measures or performing work to control erosion and minimize the production of sediment and other pollutants to water and air from construction activities.

2. Material

All material furnished shall meet the requirements shown on the drawings.

3. Erosion and sediment control measures and works

The most effective means of erosions and sedimentation control is to minimize exposure of the soil, complete work in a timely manner and re-establish vegetation as soon as possible.

The measures and works may include, but are not limited to, the following:

Staging of earthwork activities - The excavation and moving of soil materials shall be scheduled to minimize the size of areas disturbed and unprotected from erosion for the shortest reasonable time. Land cleared for construction shall be kept to a minimum. When feasible, larger projects shall phase construction activities to reduce the exposure of soil to wind and rain.

Seeding - Seeding to protect disturbed areas shall occur as soon as reasonably possible following completion of that earthwork activity. Areas which are exposed for longer than seven days, including topsoil stock piles, shall be temporarily seeded.

Mulching - Mulching to provide temporary protection of the soil surface from erosion. Areas which are exposed longer than seven days, including topsoil stock piles, shall be temporarily mulched.

Erosion control mats, blankets, and netting – Erosion control mats, blankets, and netting may be required on steep slopes or swales.

Diversions - Diversions to divert water from work areas and to collect water from work areas for treatment and safe disposition. They are temporary and shall be removed and the area restored to its near original condition when the diversions are no longer required or when permanent measures are installed.

Stream crossings - Culverts or bridges where equipment must cross streams. They are temporary and shall be removed and the area restored to its near original condition when the crossings are no longer required or when permanent measures are installed.

Sediment basins - Sediment basins collect, settle, and reduce the impact of sediment from eroding areas on properties and streams below the construction site(s). These basins are temporary and shall be removed and the area restored to its original condition when they are no longer required or when permanent measures are installed.

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Silt fence – Silt fence trap sediment from areas of limited runoff. Silt fence shall be properly anchored to prevent erosion under or around them. These measures are temporary and shall be removed and the area restored to its original condition when they are no longer required or when permanent measures are installed.

Waterways - Waterways for the safe disposal of runoff from fields, diversions, and other structures or measures. These works are temporary and shall be removed and the area restored to its original condition when they are no longer required or when permanent measures are installed.

Other - Additional protection measures as specified on the drawings or required by Federal, State, or local government.

4. Chemical pollution

The contractor shall provide watertight tanks or barrels to dispose of chemical pollutants, such as drained lubricating or transmission fluids, grease, soaps, concrete mixer wash water, or asphalt, produced as a by-product of the construction activities. At the completion of the construction work, sumps shall be removed and the area restored to its original condition. Sump removal shall be conducted without causing pollution.

Sanitary facilities, such as chemical toilets, or septic tanks shall not be located next to live streams, wells, or springs. They shall be located at a distance sufficient to prevent contamination of any water source. At the completion of construction activities, facilities shall be disposed of without causing pollution.

5. Air pollution

The burning of brush or slash and the disposal of other materials shall adhere to state and local regulations.

Fire prevention measures shall be taken to prevent the start or spreading of wildfires that may result from project activities. Firebreaks or guards shall be constructed and maintained at locations shown on the drawings.

All public access or haul roads used by the contractor during construction of the project shall be sprinkled or otherwise treated to fully suppress dust.

6. Maintenance, removal, and restoration

All pollution control measures and temporary works shall be adequately maintained in a functional condition for the duration of the construction period. All measures shall be inspected after every rain event and shall be cleaned out, repaired and other maintenance performed to insure their effectiveness. All temporary measures shall be removed and the site restored to near original condition.